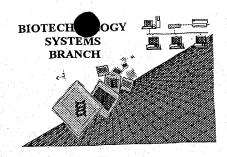
## RAW SEQUENCE LISTING ERROR REPORT



CB

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/856,749

Source: Puf 09

Date Processed by STIC: 6/18/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: <a href="mailto:patin21help@uspto.gov">patin21help@uspto.gov</a> or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: <a href="mailto:patin3help@uspto.gov">patin3help@uspto.gov</a> or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 3.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

## Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker

## Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	serial number: <u>09/858</u> , 749				
ATTN: NEW RULES CASES:	PLEASE DISREGARD ENGLISH "ALPHA" HEAD	DERS, WHICH WERE INSERTED BY PTO SOFTWARE				
lWrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."					
2Invalid Line Length	The rules require that a line not exceed 72 characteristics	eters in length. This includes white spaces.				
3Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.					
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.					
5Variable Length	Sequence(s) contain n's or Xaa's representing each n or Xaa can only represent a single residue having variable length and indicate in the	lue. Please present the maximum number of each				
oPatentIn 2.0 "bug"	sequences(s) Normaily, PatentIn v	220>-<223> section to be missing from amino acid would automatically generate this section from the nanually copy the relevant <220>-<223> section to es to the mandatory <220>-<223> sections for				
7Skipped Sequences (OLD RULES)	(2) INFORMATION FOR SEO ID NO:X: (insert	Do not insert any subheadings under this heading)				
	Please also adjust the "(ii) NUMBER OF SEQUE	ENCES:" response to include the skipped sequences.				
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, pleated to sequence id number <400> sequence id number 000	ase insert the following lines for each skipped sequence.				
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Per 1.823 of Sequence Rules, use of <220>-<223 In <220> to <223> section, please explain location	e Sequence Listing.  > is MANDATORY if n's or Xaa's are present.  on of n or Xaa, and which residue n or Xaa represents.				
10Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213 scientific name (Genus/species). <220>-<223> s is Artificial Sequence	3> responses are: Unknown, Artificial Sequence, or ection is required when <213> response is Unknown or				
Usc of <220>	Use of <220> to <223> is MANDATORY if <21 "Unknown." Please explain source of genetic ma	re" and associated numeric identifiers and responses.  3> "Organism" response is "Artificial Sequence" or aterial in <220> to <223> section.  104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)				
PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of Patresulting in missing mandatory numeric identifier listing). Instead, please use "File Manager" or an	entIn version 2.0. This causes a corrupted file, rs and responses (as indicated on raw sequence by other manual means to copy file to floppy disk.				

AMC - Biotechnology Systems Branch - 06/04/2001

DATE: 06/18/2001

PCT09

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RAW SEQUENCE LISTING
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DATE: 06/18/2001 TIME: 16:20:37 PATENT APPLICATION: US/09/856,749

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Output Set: N:\CRF3\06182001\1856749.raw

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		-				atacaacttt	
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RAW SEQUENCE LISTING

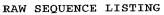
DATE: 06/18/2001 TIME: 16:20:37 PATENT APPLICATION: US/09/856,749

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Output Set: N:\CRF3\06182001\1856749.raw

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PATENT APPLICATION: US/09/856,749

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(1107)
(1207) Add Alese anddry numeric 29/856,749

(1407)
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(151> 1998-11-30

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(170> PatentIn Ver. 2.0

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/856,749

DATE: 06/18/2001 TIME: 16:20:39

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L:2 M:270 C: Current Application Number differs, Replaced Current Application No

L:2 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:2 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP NO

L:0 M:201 W: Mandatory field data missing, APPLICANT NAME

L:0 M:201 W: Mandatory field data missing, TITLE INVENTION

L:0 M:201 W: Mandatory field data missing, FILE REFERENCE